

ABSTRACT OF THE DISCLOSURE

The invention relates to a method of connecting a mobile, electronic control and/or monitoring unit (9) to at least one machine or at least one machine component in a group or a plurality of machines (2) or machine components to be controlled and/or monitored. During a connection or log-on procedure between the control and/or monitoring unit (9) and a co-operating distant point on the respective machine (2), a clear link or log-on connection is set up either by means of interfaces (14, 15) to the selected, wireless direction-finder of the co-operating distant point or alternatively by means of transmitters and/or receivers (16, 17) tuned to a restricted, localised functional or operating range (21). Once the connection has been acknowledged and established, the programmed control and/or monitoring of the machine (2) or the machine component is managed via another, standard data transmission means (22), for example a hard-wired network and/or via a wireless link between the control and/or monitoring unit (9) and the selected machine (2). Also proposed is a control and/or monitoring unit (9) for implementing this method.

Use FIG. 2 for abstract

List of Reference Numbers

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|-----------------------------------|-----------------------------------|
| 1. Automation system | 21. Functional or operating range |
| 2. Machine | 22. Data transmission means |
| 3. Robot | 23. Production line |
| 4. Product | 24. Converter |
| 5. Control unit | 25. Transmitting antenna |
| 6. Lead | 26. Receiving antenna |
| 7. Bus system | 27. Capacitance sensor |
| 8. Network | 28. Contact pin |
| 9. Control and/or monitoring unit | 29. Counter-contact |
| 10. Hand terminal | 30. Indicator lamp |
| 11. Display | 31. Code |
| 12. Input device | |
| 13. Socket connector | |
| 14. Interface | |
| 15. Interface | |
| 16. Transmitter and/or receiver | |
| 17. Transmitter and/or receiver | |
| 18. Transmission channel | |
| 19. Transmitter | |
| 20. Receiver | |